



I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: November 16, 2006

Signature

(Hebert Butler-Guinan)

Docket No.: 68349-00026USPX  
(PATENT)

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FW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Jordi Soler Castany et al.

Application No.: 10/587,119

Confirmation No.: N/A

Filed: July 21, 2006

Art Unit: N/A

For: MULTI-BAND MONOPOLE ANTENNAS  
FOR MOBILE NETWORK  
COMMUNICATION DEVICES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A summary/abstract translation of the non-English language references is enclosed.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application in accordance with 37 CFR 1.98(a)(2). Applicant submits herewith copies of any cited non-patent documents and foreign patent documents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material

information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 68349-00026USPX. A duplicate copy of this paper is enclosed.

Dated: November 15, 2006

Respectfully submitted,

By 

Stanley R. Moore

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete If Known</b>			
		Application Number	10/587,119		
		Filing Date	July 21, 2006		
		First Named Inventor	Jordi Soler Castany		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	68349-00026USPX

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1*	US-5,870,066	02-09-1999	Asakura et al.
	A2*	US-5,990,838	11-23-1999	Burns et al.
	A3*	US-6,166,694	12-26-2000	Ying
	A4*	US-6,307,511	10-23-2001	Ying et al.
	A5*	US-6,329,962	12-11-2001	Ying
	A6*	US-6,456,245	09-24-2002	Crawford
	A7*	US-2002/0175866	11-28-2002	Gram
	A8*	US-2004/0014428	01-22-2004	Franca-Neto
	A9*	US-2004/0095289	05-20-2004	Bae et al.

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	B1	WO-99/56345	11-04-1999	Intenna Technology AB
	B2	WO-00/77884	12-21-2000	Harada Industries (Europe) Limited
	B3	WO-01/48861	07-05-2001	Allgon AB
	B4	WO-01/54225	07-26-2001	Fractus, S.A.
	B5	WO-2004/010531	01-29-2004	Fractus, S.A.
	B6	WO-2004/042868	05-21-2004	Fractus, S.A.
	B7	WO-01/11721	02-15-2001	Allgon AB
	B8	JP-2001-217632	08-10-2001	Matsushita Electric Ind. Co. Ltd.

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	PLICANIC, Vanja, "Antenna Diversity Studies and Evaluation", Master Thesis, Department of Electrosience, Lund University, May 2004, 72 pages	
	C2	PUENTE, C. et al., "Multiband Properties of a Fractal Tree Antenna Generated by Electrochemical Deposition", Electronic Letters, December 5, 1996, vol. 32, no. 25, pages 2298-2299	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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